

Nº 50740

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office..... MAR 25 1987

Returned to applicant for correction..... MAY 11 1987

Corrected application filed.....

Map filed.....

The applicant..... Stephen M. Munson

280 Island Ave. , Suite #1503....., of....., Reno

Street and No. or P.O. Box No.

City or Town

Nevada 89501....., hereby make..... application for permission to appropriate the public

State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.).....

1. The source of the proposed appropriation is..... Underground

Name of stream, lake, spring, underground or other source

2. The amount of water applied for is..... 2.5576 (See Attached Note)..... second-feet

One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet.....

3. The water to be used for..... Geothermal and Industrial

Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated.....

(b) Stockwater, state number and kinds of animals to be watered.....

(c) Other use (describe fully under "No. 12. Remarks"..... X Sec. "No. 12 Remarks"

(d) Power:

(1) Horsepower developed.....

(2) Point of return of water to stream.....

5. The water is to be diverted from its source at the following point..... Discharge of water from Gilroy

Describe as being within a 40-acre subdivision of public

Foods, Inc. located in the SE¼ of SW¼, Sec. 12. T22N R26E, MDB&M,
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.
Churchill County, Nevada

6. Place of use..... Vicinity of Geothermal cooling ponds used in conjunction with Brady

Describe by legal subdivision. If on unsurveyed land, it should be so stated.

"Ormat" power plants located in the NE¼ of SW¼, Sec 1 T 22 N, R26E, and the
SE¼ of NW¼, Sec 1, T 22N, R 26E MDB&M, Churchill County, Nevada.

7. Use will begin about..... January 1..... and end about..... December 31....., of each year.

Month and Day

Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.)..... Water to be pumped from the source in SE¼ of

State manner in which water is to be diverted, i.e. diversion structure, ditches and

SW¼, Sec 12, T22N, R26E, MDB&M to place of use via Pipeline.
flumes, drilled well with pump and motor, etc.

9. Estimated cost of works..... \$100,000.....

10. Estimated time required to construct works..... 6 Months.....
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use..... 2 years.....

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Cooling water make-up for Geothermal Power Plants, Aquaculture, Wildlife

Habitat, and Seasonal Agricultural Use.

By s/Stephen M. Munson
 280 Island Ave., Suite # 1503
 Reno, Nevada 89501

Compared bc/jk.....

Protested.....

.....OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed..... cubic feet per second.....

Work must be prosecuted with reasonable diligence and be completed on or before.....

Proof of completion of work shall be filed on or before.....

Application of water to beneficial use shall be made on or before.....

Proof of the application of water to beneficial use shall be filed on or before.....

Map in support of proof of beneficial use shall be filed on or before.....

Completion of work filed..... IN TESTIMONY WHEREOF, I.....

State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed..... my office, this..... day of.....

Cultural map filed..... A.D. 19.....

Certificate No..... Issued.....

CANCELLED AUG 4 1987 BECAUSE OF FAILURE TO REFILE

CORRECTED APPLICATION WITHIN STATUTORY TIME.

State Engineer STATE ENGINEER

2. The amount of water applied for is 2.5576 second feet.

The amount of water applied for is that amount of water that is allowed for consumption by Gilroy Foods, Inc. (GILROY) under the following Permits and Certificate Nos.

11. GILROY currently has the following certificated water rights and water appropriation permits from the Division of Water Resources for geothermal development in the subject area:

<u>Permit Or</u> <u>Certificate No.</u>	<u>Well</u> <u>Name</u>	<u>Date of</u> <u>Priority</u>	<u>Withdrawal</u> <u>Allowed-CFS</u>	<u>Annual Consump-</u> <u>tive Use-Ac Ft.</u>
Cert. #10559	Brady 5	6/30/75	1.56	*473.31
Cert. #10560	Brady 8	6/30/75	1.56	*473.31
Permit #44643	Grace 1	10/15/81	5.0	**181
Permit #44644	Brady 3	10/15/81	5.0	**181
Permit #44645	EE 1	10/15/81	5.0	**181
Permit #44646	Brady 8	10/15/81	5.0	**181
Permit #44647	Brady 5	10/15/81	5.0	**181

- * Limited to the time period of June 1 to October 31 of each year.

Requires that the used geothermal fluids be returned to the source. The annual consumption is based on 5% of withdrawal. (Ex P-13 thru P-17).

From the above, it can be shown that for the time period of June 1 to October 31 of each year, GILROY may withdraw a maximum of 28.12 cfs (12621 gpm), of which 23.75 cfs (10660 gpm) must be injected back into the source, leaving a permitted and certificated total consumption of 4.37 cfs (1961 gpm). During the remainder of the year, GILROY is limited to a withdrawal of 25 cfs (11220 gpm) and a consumption of 1.25 cfs (561 gpm). In all cases, their consumption is limited to 1851.62 acre feet/year. (Tr 6/2 p 84).

$$1851.62 \frac{\text{acre ft.}}{\text{yr.}} \times 43560 \frac{\text{ft.}^3}{\text{acre ft.}} \times 3.48 \frac{\text{gal.}}{\text{ft.}^3} = 603,353,064.1 \frac{\text{gal.}}{\text{Yr.}}$$

$$603,353,064.1 \frac{\text{gal.}}{\text{yr.}} \times \frac{\text{yr.}}{525,600 \text{ min.}} = 1,147,9320 \frac{\text{gal.}}{\text{min.}}$$

$$1,147.9320 \frac{\text{gal.}}{\text{min.}} \div 448.83 \frac{\text{gal.}}{\text{min.}} = \underline{2.5576 \text{ second feet}} \text{ /sec ft.}$$

